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EXAMINER

RILEY, MARCUS T

ART UNIT

PAPER NUMBER

2625

NOTIFICATION DATE

DELIVERY MODE

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ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Office Action Summary	Application No. 10/787,399	Applicant(s) SORENSEN ET AL.	
	Examiner MARCUS T. RILEY	Art Unit 2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 07 January 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>05/27/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. This office action is responsive to applicant's remarks received on January 07, 2008, 2007. Claims 1-20 remain pending.

Response to Arguments

2. Applicant's arguments with respect to claims 1-20, filed on January 07, 2008 have been fully considered but they are not persuasive.

A: Applicant's Remarks

Turbeville and Hall cannot make obvious Claims 1, 8, and 18 because Turbeville and Hall fail to teach, disclose or suggest all elements recited by Claims 1, 8 and 18. For example, Turbeville and Hall fail to teach, disclose or suggest "pre-population engine operable to complete the order form for presentation to the information handling system in response to the order information" as recited by Claim 1; "pre-populating an order form at the consumable order server in accordance with the order information" as recited by Claim 8; and "to apply the detected consumable quantity to determine a trigger event" as recited by Claim 18. Turbeville pre-populates a shipping carrier's web page based on services provided by the shipping carrier, not based on order information. Hall deals with advertising and does not apply a detected consumable quantity. Accordingly, Applicant respectfully requests that the Examiner withdraw the rejections of Claims 1, 8 and 18, as well as Claims 2-7, 9-17 and 19-20 which depend from

Claims 1, 8 and 18 respectively.

A: Examiner's Response

Turbeville and Hall can make obvious Claims 1, 8 and 18 because Turbeville and Hall teaches, disclose or suggest all elements recited by Claims 1, 8 and 18.

Regarding claim 1; Hall discloses a pre-population engine operable to complete the order form for presentation to the information handling system in response to the order information” (*“A billing system may record billing information from the customer, such as a client and matter account number, and transmit the billing information to the carrier using the order system so as to facilitate billing for delivery services by the carrier. The ship to information system can include aspects such as locked pre-population fields and validation engines to limit the destination locations to fewer than all of the destinations to which the carrier will deliver a package.”* page 2, paragraph 0017)

Regarding claim 8; Turbeville discloses pre-populating an order form at the consumable order server in accordance with the order information” (*“FIG. 4A illustrates a GUI location creation screen 219 to prompt a user 15 to create a new location. In a preferred embodiment, there is at least one location associated with every organization. In this illustration, the addition of a new location requires the organization name, administrator name, phone number, email address, facsimile and printer type for the location.”* page 5, paragraph 0049).

Regarding claim 18; Hall discloses “to apply the detected consumable quantity to determine a trigger event” (*“...customer-specific advertisements are being pushed to the*

information customer's mobile terminal upon the occurrence of a specified event (e.g., the mobile terminal has transitioned into a specific cell location). The advertisements are formatted according to device characteristics. In the case of a custom application, the mobile terminal ID and location are used to trigger the operation of the custom application to provide custom information to the mobile terminal of the information customer.” column 4, lines 12-22). See also (“...search results for a particular product, by way of example, are listed in an order specified by the server performing the search whose geographic location is transparent to the customer. Typically, search results produced by a search engine for a particular term or product name not only include hypertext links to locations that sell the particular product, but also hypertext links to publications, e-mail messages, web sites and other resources that include the particular search term.” column 2, lines 2-10).

Thus, Applicant's arguments with respect to claims 1-20, filed on January 07, 2008 have been fully considered but they are not persuasive. Accordingly, Claims 1, 8 and 18, as well as Claims 2-7, 9-17 and 19-20 which depend from Claims 1, 8 and 18 respectively, does NOT place the application in condition for allowance.

Claim Objections

3. The numbering of claims is not in accordance with 37 CFR 1.126 which requires the original numbering of the claims to be preserved throughout the prosecution. When claims are canceled, the remaining claims must not be renumbered. When new claims are presented, they must be numbered consecutively beginning with the number next following the highest

numbered claims previously presented (whether entered or not).

Misnumbered **claims 7, 8, 9 & 10** been renumbered to **claims 1, 2, 3 & 4** respectively. This appears to be a typographical error. It is assumed for continued examination purposes that the renumbered claims is intended to be original **claims 7, 8, 9 & 10** respectively.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. **Claims 1, 4-10, 14-18** are rejected under 35 U.S.C. 103(a) as being unpatentable over Turbeville et al. (US 2003/0144871 A1 hereinafter, Turbeville '871) in combination with Hall et al. (US 7,027,801 hereinafter, Hall '801).

Regarding claim 1; Turbeville '871 discloses a system for managing orders through a network of consumables for an information handling system peripheral, the system comprising: an order engine operable to present and accept an order form for the consumable through the network and at the information handling system (*"A billing system may record billing information from the customer, such as a client and matter account number, and transmit the billing information to the carrier using the order system so as to facilitate billing for delivery services by the carrier. The ship to information system can include aspects such as locked pre-population fields and validation engines to limit the destination locations to fewer than all of the*

destinations to which the carrier will deliver a package.” page 2, paragraph 0017); and a pre-population engine interfaced with the consumable handler through the network and with the order engine, the pre-population engine operable to complete the order form for presentation to the information handling system in response to the order information (“A billing system may record billing information from the customer, such as a client and matter account number, and transmit the billing information to the carrier using the order system so as to facilitate billing for delivery services by the carrier. The ship to information system can include aspects such as locked pre-population fields and validation engines to limit the destination locations to fewer than all of the destinations to which the carrier will deliver a package.” page 2, paragraph 0017).

Turbeville ‘871 does not expressly disclose a handler associated with the information handling system, the consumable handler operable to monitor the peripheral to detect a consumable trigger event and to assemble order information associated with the consumable trigger event in a predetermined format.

Hall ‘801 discloses a consumable handler associated with the information handling system, the consumable handler operable to monitor the peripheral to detect a consumable trigger event and to assemble order information associated with the consumable trigger event in a predetermined format (“...customer-specific advertisements are being pushed to the information customer’s mobile terminal upon the occurrence of a specified event (e.g., the mobile terminal has transitioned into a specific cell location). The advertisements are formatted according to device characteristics. In the case of a custom application, the mobile terminal ID and location are used to trigger the operation of the custom application to provide custom information to the

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mobile terminal of the information customer.” column 4, lines 12-22). See also (“...it is WAP server 344 that monitors and determines the capabilities of mobile terminal 328 and the format of the information that should be transmitted to it.” column 10, lines 53-56).

Turbeville ‘871 and Hall ‘801 are combinable because they are from same field of endeavor of network information systems (“*The present invention is generally related to systems for performing commercial activities over a general access computer network and...*” Hall ‘801 at column 1, lines 14-16).

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to modify the network shipping system as taught by Turbeville ‘871 by adding a consumable handler associated with the information handling system, the consumable handler operable to monitor the peripheral to detect a consumable trigger event and to assemble order information associated with the consumable trigger event in a predetermined format as taught by Hall ‘801.

The motivation for doing so would have been because it advantageous for a sales/vendor organization to have its products or services advertised on the Internet or World Wide Web (“...the invention facilitates the ability of a sales/vendor organization to have its products or services advertised on the Internet or World Wide Web displayed to a local information customer on a computer monitor or even on a mobile terminal in a manner that facilitates their identification by the information customer in the local area...” Hall ‘801 at column 3, lines 7-13).

Therefore, it would have been obvious to combine Turbeville ‘871 with Hall ‘801 to obtain the invention as specified in claim 1.

Regarding claim 4; Turbeville '871 discloses where the consumable handler comprises a module operable to interface with an accounting application and plural peripherals, the module tracking an inventory of consumables to place aggregate orders for consumables to supply the plural peripherals (*"...the control system may include other aspects such as shipment billing and control of the destination location of each shipment. A billing system may record billing information from the customer, such as a client and matter account number, and transmit the billing information to the carrier using the order system so as to facilitate billing for delivery services by the carrier. The ship to information system can include aspects such as locked pre-population fields and validation engines to limit the destination locations to fewer than all of the destinations to which the carrier will deliver a package."* page 2, paragraph 0017).

Regarding claim 5; Turbeville '871 discloses where the consumable handler module is further operable to automatically adjust the consumable inventory by decrementing the consumable supply at each consumable trigger event (*"The system controls the user's access to the carrier's services by either limiting the locations from which a package can be shipped to fewer than those described by the carrier's service area, or by limiting the user's ability to select shipping service levels to fewer than those provided by the carrier. For instance, the system can limit the ship from location to one or more business locations of an organization. Such limitation may be by way of displaying a limited collection of the ship from locations, or by pre-populating and locking ship from information submission fields on a web page."* page 1, paragraph 0009).

Regarding claim 6; Turbeville '871 discloses an information handling system database associated with the pre-population engine and having a unique identifier for each of plural information handling systems with payment and delivery information wherein the pre-population

engine is further operable to complete the order form by populating the payment and delivery information of a unique identifier included with the order information (*"...the control system may include other aspects such as shipment billing and control of the destination location of each shipment. A billing system may record billing information from the customer, such as a client and matter account number, and transmit the billing information to the carrier using the order system so as to facilitate billing for delivery services by the carrier. The ship to information system can include aspects such as locked pre-population fields and validation engines to limit the destination locations to fewer than all of the destinations to which the carrier will deliver a package."* page 2, paragraph 0017).

Regarding claim 7; Turbeville '871 discloses where the order engine is further operable to accept updates to the order form entered at the information handling system (*"a drop-down menu may be available that allows the traveling user 40 to select one of several addresses for the ship from information section 115. In one embodiment, the user is not given the opportunity to change the information in the ship from information section 115. In an alternative embodiment, these fields are user-modifiable. The information in the ship to and ship from sections is sufficient to ship a letter in the distributed user shipping system 10. If the user 15 is shipping a package, the user 15 is prompted to populate those fields shown in the package information section 120."* page 3, paragraph 0034).

Regarding claim 8; Turbeville '871 discloses where the order information comprises printer identification information, and wherein the pre-population engine is further operable to complete the order form with a consumable associated with the printer (*"FIG. 4A illustrates a GUI location creation screen 219 to prompt a user 15 to create a new location. In a preferred*

embodiment, there is at least one location associated with every organization. In this illustration, the addition of a new location requires the organization name, administrator name, phone number, email address, facsimile and printer type for the location.” page 5, paragraph 0049).

Regarding claim 9; Turbeville ‘871 discloses where the trigger event comprises one or more of consumable quantity, consumable consumption rate, time period between consumable orders, consumable usage patterns, consumable average daily use, or a user-selected parameter (*“An order placement system is configured to connect via a network to a carrier server and to transmit the ship from information, ship to information and service level selection to the carrier over a network to facilitate package delivery. The service level system may be further configured to display the limited collection of service levels, such as in a menu, for selection by the user. For additional or alternative confirmation, the service level system may be further configured to validate that the recorded service level selection is one of the limited collection of service levels.”* page 2, paragraph 0013-0014).

Regarding claim 10; Turbeville ‘871 discloses a method for managing orders through a network of consumables for an information handling system printer, the method comprising: communicating the order information through the network to a consumable order server; pre-populating an order form at the consumable order server in accordance with the order information (*“An order placement system is configured to connect via a network to a carrier server and to transmit the ship from information, ship to information and service level selection to the carrier over a network to facilitate package delivery.”* page 2, paragraph 0013); See also (*“The ship to information system can include aspects such as locked pre-population fields and validation engines to limit the destination locations to fewer than all of the destinations to which*

the carrier will deliver a package.” page 2, paragraph 0017); presenting the order form through the network and at the information handling system (“An order placement system is configured to connect via a network to a carrier server and to transmit the ship from information, ship to information and service level selection to the carrier over a network to facilitate package delivery.” page 2, paragraph 0013); accepting a confirmation of the order form at the information handling system (“The administration method includes sending organization information to the carrier over the network wherein the organization information includes an address of one of the locations and a shipping account number. The account number is validated by comparing the account number to a list of valid account numbers and by determining if the address corresponds to the address listed for the account number. Once validated, the location is added to a limited collection of ship from locations accessible by the carrier from which the user is permitted to ship the package.” page 2, paragraph 0018); and delivering the consumable in accordance with the order form (“A billing system may record billing information from the customer, such as a client and matter account number, and transmit the billing information to the carrier using the order system so as to facilitate billing for delivery services by the carrier.” page 2, paragraph 0017).

Turbeville ‘871 does not expressly disclose detecting a consumable trigger event associated with the peripheral; assembling order information associated with the consumable trigger event in a predetermined format.

Hall ‘801 detecting a consumable trigger event associated with the peripheral; assembling order information associated with the consumable trigger event in a predetermined format (“...customer-specific advertisements are being pushed to the information customer’s mobile

terminal upon the occurrence of a specified event (e.g., the mobile terminal has transitioned into a specific cell location). The advertisements are formatted according to device characteristics. In the case of a custom application, the mobile terminal ID and location are used to trigger the operation of the custom application to provide custom information to the mobile terminal of the information customer.” column 4, lines 12-22). See also (“...it is WAP server 344 that monitors and determines the capabilities of mobile terminal 328 and the format of the information that should be transmitted to it.” column 10, lines 53-56).

Turbeville ‘871 and Hall ‘801 are combinable because they are from same field of endeavor of network information systems (“*The present invention is generally related to systems for performing commercial activities over a general access computer network and...*” Hall ‘801 at column 1, lines 14-16).

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to modify the network information system as taught by Turbeville ‘871 by adding detecting a consumable trigger event associated with the peripheral; assembling order information associated with the consumable trigger event in a predetermined format as taught by Hall ‘801.

The motivation for doing so would have been because it advantageous for a sales/vendor organization to have its products or services advertised on the Internet or World Wide Web (“*...the invention facilitates the ability of a sales/vendor organization to have its products or services advertised on the Internet or World Wide Web displayed to a local information customer on a computer monitor or even on a mobile terminal in a manner that facilitates their*

identification by the information customer in the local area..” Hall ‘801 at column 3, lines 7-13).

Therefore, it would have been obvious to combine Turbeville ‘871 with Hall ‘801 to obtain the invention as specified in claim 1.

Regarding claim 14; Turbeville ‘871 discloses where the order information comprises a unique identifier and pre-populating further comprises completing the order form in part with payment and delivery information stored at the order server (*“...the control system may include other aspects such as shipment billing and control of the destination location of each shipment. A billing system may record billing information from the customer, such as a client and matter account number, and transmit the billing information to the carrier using the order system so as to facilitate billing for delivery services by the carrier. The ship to information system can include aspects such as locked pre-population fields and validation engines to limit the destination locations to fewer than all of the destinations to which the carrier will deliver a package.”* page 2, paragraph 0017).

Regarding claim 15; Turbeville ‘871 discloses where the payment and delivery information are the payment and delivery information used to purchase the information handling system (*“...the control system may include other aspects such as shipment billing and control of the destination location of each shipment. A billing system may record billing information from the customer, such as a client and matter account number, and transmit the billing information to the carrier using the order system so as to facilitate billing for delivery services by the carrier. The ship to information system can include aspects such as locked pre-population fields and*

validation engines to limit the destination locations to fewer than all of the destinations to which the carrier will deliver a package.” page 2, paragraph 0017).

Regarding claim 16; Turbeville ‘871 discloses where the trigger event comprises one or more of consumable quantity, consumable consumption rate, time period between consumable orders, consumable usage patterns, consumable average daily use, or a user-selected parameter (*“An order placement system is configured to connect via a network to a carrier server and to transmit the ship from information, ship to information and service level selection to the carrier over a network to facilitate package delivery. The service level system may be further configured to display the limited collection of service levels, such as in a menu, for selection by the user. For additional or alternative confirmation, the service level system may be further configured to validate that the recorded service level selection is one of the limited collection of service levels.”* page 2, paragraph 0013-0014).

Regarding claim 17; Turbeville ‘871 and Hall ‘801 as modified does not expressly disclose where detecting a trigger event further comprises: monitoring consumable inventory for plural printers with accounting software and determining a trigger event for the aggregate of printers and the consumable inventory.

Hall ‘801 discloses where detecting a trigger event further comprises: monitoring consumable inventory for plural printers with accounting software (*“...it is WAP server 344 that monitors and determines the capabilities of mobile terminal 328 and the format of the information that should be transmitted to it.”* column 10, lines 53-56); and determining a trigger event for the aggregate of printers and the consumable inventory (*“...customer-specific*

advertisements are being pushed to the information customer's mobile terminal upon the occurrence of a specified event (e.g., the mobile terminal has transitioned into a specific cell location). The advertisements are formatted according to device characteristics. In the case of a custom application, the mobile terminal ID and location are used to trigger the operation of the custom application to provide custom information to the mobile terminal of the information customer." column 4, lines 12-22).

Turbeville '871 and Hall '801 are combinable because they are from same field of endeavor of network information systems (*"The present invention is generally related to systems for performing commercial activities over a general access computer network and..."* Hall '801 at column 1, lines 14-16).

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to modify the network shipping system as taught by Turbeville '871 by adding where detecting a trigger event further comprises: monitoring consumable inventory for plural printers with accounting software and determining a trigger event for the aggregate of printers and the consumable inventory as taught by Hall '801.

The motivation for doing so would have been because it advantageous for a sales/vendor organization to have its products or services advertised on the Internet or World Wide Web (*"...the invention facilitates the ability of a sales/vendor organization to have its products or services advertised on the Internet or World Wide Web displayed to a local information customer on a computer monitor or even on a mobile terminal in a manner that facilitates their identification by the information customer in the local area..."* Hall '801 at column 3, lines 7-13).

Therefore, it would have been obvious to combine Turbeville '871 with Hall '801 to obtain the invention as specified in claim 1.

Regarding claim 18; Turbeville '871 discloses an information handling system comprising: plural components operable to process information for printing by a printer onto a medium ("*...the control system includes a label generating system that is configured to generate a shipping label image. The shipping label image includes the ship to and ship from information and is useable by the user to print a shipping label for attachment to the package.*" page 2, paragraph 0012); a printer interfaced with the plural components to accept and print the information with a consumable ("*...the control system includes a label generating system that is configured to generate a shipping label image. The shipping label image includes the ship to and ship from information and is useable by the user to print a shipping label for attachment to the package.*" page 2, paragraph 0012); an operating system operable to coordinate operation of the plural components ("*Various components of the control system may be centrally located, or distributed over networked computer servers. In one aspect, the ship from, ship to and order placement systems reside on a client server which is connected via the network to the carrier server. In an alternative aspect, portions of the ship from, ship to and order placement systems reside on a mobile computers, such as a laptop computer. If part of the system is operated on the mobile computer, the ship from information system can be further configured to detect use by a traveling user operating the mobile computer and to make an exception that allows selection of any access location for the ship from information.*" page 2, paragraph 0011); a printer driver associated with the operating system, the printer driver operable to coordinate communication of the information to the printer and to detect available consumable quantity ("*Various components*

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of the control system may be centrally located, or distributed over networked computer servers. In one aspect, the ship from, ship to and order placement systems reside on a client server which is connected via the network to the carrier server. In an alternative aspect, portions of the ship from, ship to and order placement systems reside on a mobile computers, such as a laptop computer. If part of the system is operated on the mobile computer, the ship from information system can be further configured to detect use by a traveling user operating the mobile computer and to make an exception that allows selection of any access location for the ship from information.” page 2, paragraph 0011); to display the trigger event at the information handling system for user-selected initiation of a consumable order (“An order placement system is configured to connect via a network to a carrier server and to transmit the ship from information, ship to information and service level selection to the carrier over a network to facilitate package delivery. The service level system may be further configured to display the limited collection of service levels, such as in a menu, for selection by the user. For additional or alternative confirmation, the service level system may be further configured to validate that the recorded service level selection is one of the limited collection of service levels.” page 2, paragraph 0013-0014); and to communicate order information to a consumable order server upon user-selected initiation of a consumable order (“An order placement system is configured to connect via a network to a carrier server and to transmit the ship from information, ship to information and service level selection to the carrier over a network to facilitate package delivery.” page 2, paragraph 0013); and a browser interfaced with the consumable handler and the consumable order server, the browser operable to display a consumable order form provided by the consumable order server, the consumable order form automatically completed to support

user-selected confirmation of a consumable order (*"An order placement system is configured to connect via a network to a carrier server and to transmit the ship from information, ship to information and service level selection to the carrier over a network to facilitate package delivery. The service level system may be further configured to display the limited collection of service levels, such as in a menu, for selection by the user. For additional or alternative confirmation, the service level system may be further configured to validate that the recorded service level selection is one of the limited collection of service levels."* page 2, paragraph 0013-0014).

Turbeville '871 does not expressly disclose a consumable handler interfaced with the printer driver to accept detected consumable quantity, to apply the detected consumable quantity to determine a trigger event.

Hall '801 discloses a consumable handler interfaced with the printer driver to accept detected consumable quantity, to apply the detected consumable quantity to determine a trigger event; (*"...customer-specific advertisements are being pushed to the information customer's mobile terminal upon the occurrence of a specified event (e.g., the mobile terminal has transitioned into a specific cell location). The advertisements are formatted according to device characteristics. In the case of a custom application, the mobile terminal ID and location are used to trigger the operation of the custom application to provide custom information to the mobile terminal of the information customer."* column 4, lines 12-22). See also (*"...search results for a particular product, by way of example, are listed in an order specified by the server performing the search whose geographic location is transparent to the customer. Typically, search results produced by a search engine for a particular term or product name not only*

include hypertext links to locations that sell the particular product, but also hypertext links to publications, e-mail messages, web sites and other resources that include the particular search term." column 2, lines 2-10).

Turbeville '871 and Hall '801 are combinable because they are from same field of endeavor of network information systems (*"The present invention is generally related to systems for performing commercial activities over a general access computer network and..."* Hall '801 at column 1, lines 14-16).

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to modify the network information system as taught by Turbeville '871 by adding a consumable handler interfaced with the printer driver to accept detected consumable quantity, to apply the detected consumable quantity to determine a trigger event as taught by Hall '801.

The motivation for doing so would have been because it advantageous for a sales/vendor organization to have its products or services advertised on the Internet or World Wide Web (*"...the invention facilitates the ability of a sales/vendor organization to have its products or services advertised on the Internet or World Wide Web displayed to a local information customer on a computer monitor or even on a mobile terminal in a manner that facilitates their identification by the information customer in the local area..."* Hall '801 at column 3, lines 7-13).

Therefore, it would have been obvious to combine Turbeville '871 with Hall '801 to obtain the invention as specified in claim 1.

6. **Claims 2 & 20** are rejected under 35 U.S.C. 103(a) as being unpatentable over Turbeville '871 and Hall '801 as applied to claim 1 above, and further in view of Castle et al. (US 6,109,723 hereinafter, Castle '723).

Regarding claim 2; Turbeville '871 and Hall '801 as modified does not expressly disclose where the peripheral comprises an ink jet printer and the consumable comprises one or more of ink or ink head device.

Castle '723 discloses where the peripheral comprises an ink jet printer and the consumable comprises one or more of ink or ink head device (*"FIG. 1 shows a computer 100 connected to inkjet printer 130. Inkjet printer 130 has a printer memory device 135 which is capable of storing characteristics from peripheral devices such as ink supply cartridge 110 and inkjet printhead 120 of inkjet print cartridge 150."* column 2, lines 35-39).

Turbeville '871 and Hall '801 are combinable with Castle '723 because they are from same field of endeavor of network information systems (*"This invention relates to printers and, more particularly, to a method and apparatus for determining an optimum print density for an ink jet printer."* Castle '723 at column 1, lines 6-8).

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to modify the network information system as taught by Turbeville '871 and Hall '801 by adding where the peripheral comprises an ink jet printer and the consumable comprises one or more of ink or ink head device as taught by Castle '723.

The motivation for doing so would have been because to provide an information system that would be successful at maximizing the speed of the ink jet printers while improving the print

quality (*"The ink jet printing industry has been very successful at maximizing the speed of the ink jet printers while improving the print quality."* Castle '723 at column 2, lines 63-67).

Therefore, it would have been obvious to combine Turbeville '871 and Hall '801 with Castle '732 to obtain the invention as specified in claim 1.

Regarding claim 20; Castle '723 discloses where the printer comprises an ink jet printer, the order information comprises an ink jet printer identifier, and the order form comprises an ink jet cartridge associated with the ink jet printer identifier and automatically selected by the order server (*"FIG. 1 shows a computer 100 connected to ink jet printer 130. ink jet printer 130 has a printer memory device 135 which is capable of storing characteristics from peripheral devices such as ink supply cartridge 110 and ink jet printhead 120 of ink jet print cartridge 150."* column 2, lines 35-39).

7. **Claims 3, 11-13 and 19** are rejected under 35 U.S.C. 103(a) as being unpatentable over Turbeville '871 and Hall '801 as applied to claim 1 above, and further in view of Endoh et al. (US 6,535,932 B1 hereinafter, Endoh '932).

Regarding claim 3; Turbeville '871 and Hall '801 as modified does not expressly disclose where the peripheral comprises a laser printer and the consumable comprises one or more of toner, imaging drum or imaging drum belt.

Endoh '932 discloses where the peripheral comprises a laser printer and the consumable comprises one or more of toner, imaging drum or imaging drum belt (*"FIG. 79 is a diagram showing LBP applicable to a laser beam printer engine of MFP."* column 5, lines 1-2). See also (*"ID 399 indicates that there is no toner..."* column 13, lines 56).

Turbeville '871 and Hall '801 are combinable with Endoh '932 because they are from same field of endeavor of network information systems (*"The present invention relates to peripherals such as a printer, a scanner, a facsimile machine, a copying machine, and the like which are controlled via a network..."* Endoh '932 at column 1, lines 10-12).

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to modify the network information system as taught by Turbeville '871 and Hall '801 by adding where the peripheral comprises a laser printer and the consumable comprises one or more of toner, imaging drum or imaging drum belt as taught by Endoh '932.

The motivation for doing so would have been because to provide an information system that would be easy for a user to use (*"An object of the present invention is to provide a multi-functional peripheral, a peripheral control method, a peripheral control system, and a storage medium with a peripheral control program stored therein, which are easy for a user to use."* Endoh '932 at column 1, lines 63-67).

Therefore, it would have been obvious to combine Turbeville '871 and Hall '801 with Endoh '932 to obtain the invention as specified in claim 1.

Regarding claim 11; Endoh '932 discloses where the printer comprises an ink jet printer and the consumable comprises ink (*"An inkjet printer engine (IJP) 105 can also perform color printing, and is controlled by the controller 101."* column 5, lines 31-33).

Regarding claim 12; Endoh '932 discloses where the consumable further comprises photographic printing paper (*"FIG. 80 is a diagrammatic view of an ink jet recording apparatus IJRA which can be applied to the ink jet printer engine 105 of FIG. 1. In the drawing, a carriage*

HC is engaged in a spiral groove 9003 of a lead screw 9004 rotating via drive force transmission gears 9010, 9008 with forward/reverse rotation of a drive motor 9011, has a pin (not shown), and is reciprocated/moved in directions of arrows a, b. On the carriage HC, an ink jet cartridge IJC is mounted. A sheet press plate 9001 presses the sheet against a platen 9000 over a moving direction of the carriage. Photo-couplers 9006, 9007 are home position detecting means which confirm the presence of a carriage lever 9005 in this area and switch a rotating direction of the motor 9011.” column 43, lines 29-42).

Regarding claim 13; Endoh ‘932 discloses where the printer comprises a laser printer and the consumable comprises toner (“*FIG. 79 is a diagram showing LBP applicable to a laser beam printer engine of MFP.*” column 5, lines 1-2). See also (“*ID 399 indicates that there is no toner...*” column 13, line 56).

Regarding claim 19; Endoh ‘932 discloses where the printer comprises a laser printer, the order information comprises a laser printer identifier, and the order form comprises a laser printer toner associated with the laser printer identifier and automatically selected by the order server (“*FIG. 79 is a diagram showing LBP applicable to a laser beam printer engine of MFP.*” column 5, lines 1-2). See also (“*ID 399 indicates that there is no toner...*” column 13, lines 56).

Conclusion

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARCUS T. RILEY whose telephone number is (571)270-1581. The examiner can normally be reached on Monday - Friday, 7:30-5:00, est.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler L. Haskins can be reached on 571-272-7406. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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